

M 5.7, Crete, Greece

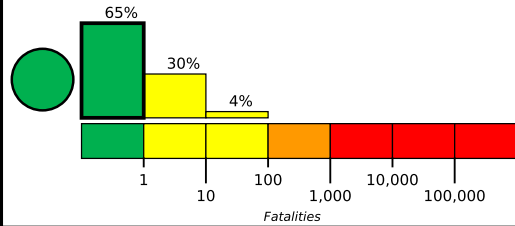
Origin Time: 2021-12-29 05:08:10 UTC (Wed 07:08:10 local)
Location: 34.8666° N 25.1168° E Depth: 70.6 km

Created: 1 day, 0 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

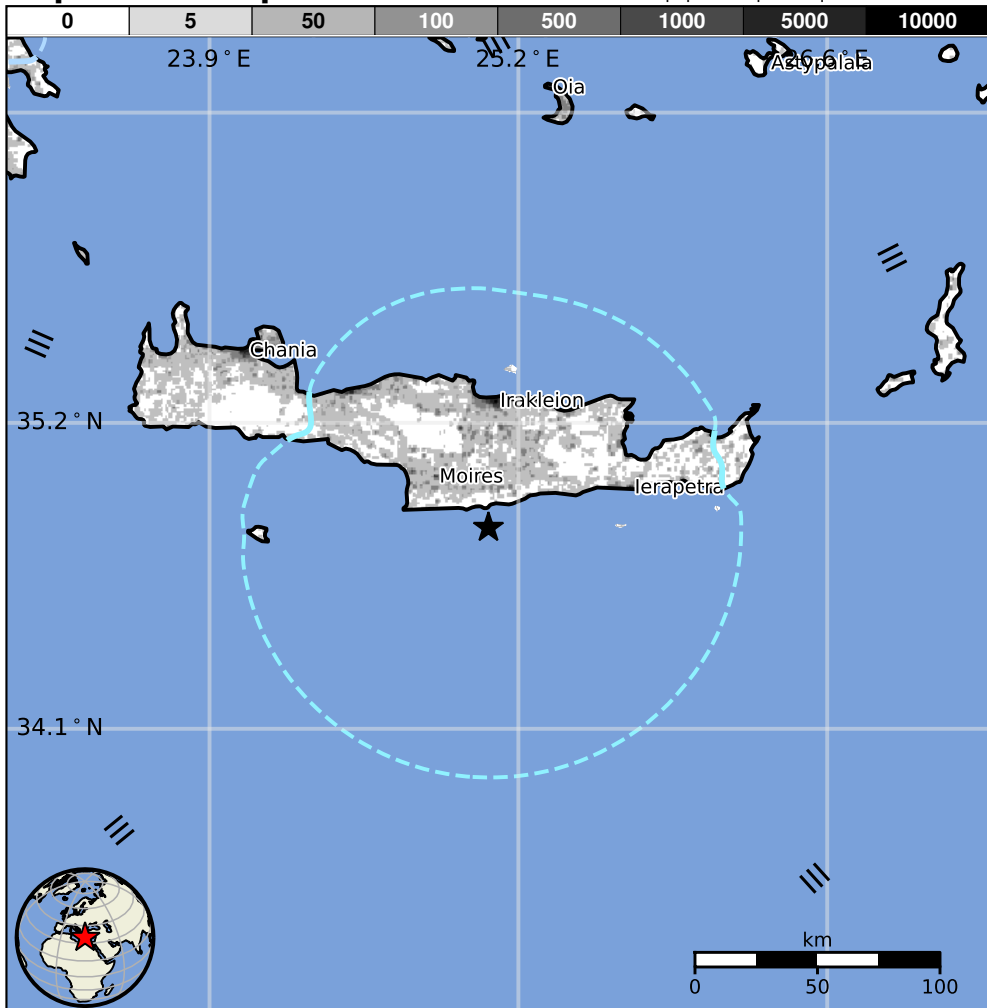


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	192k*	458k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are adobe block and dressed stone/block masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1986-09-13	359	5.9	VIII(4k)	21
2005-10-20	393	5.8	VIII(4k)	0
1999-09-07	383	6.0	IX(10k)	143

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Moires	6k
IV	Arkalochoi	4k
IV	Agia Varvara	2k
IV	Zaros	2k
IV	Tympaki	5k
IV	Pyrgos	1k
IV	Gazi	13k
IV	Ierapetra	12k
IV	Irakleion	137k
IV	Rethymno	32k
III	Chania	54k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000gg0y#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000gg0y